

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
3 February 2005 (03.02.2005)

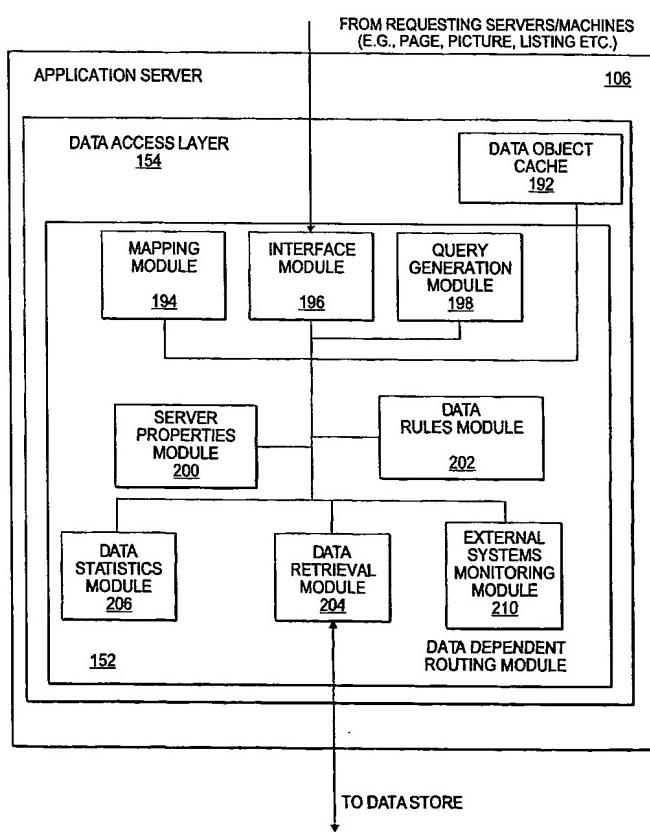
PCT

(10) International Publication Number
WO 2005/010650 A2

- (51) International Patent Classification⁷: **G06F**
- (21) International Application Number:
PCT/US2004/014997
- (22) International Filing Date: 12 May 2004 (12.05.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/484,827 3 July 2003 (03.07.2003) US
- (71) Applicant (for all designated States except US): **EBAY INC.** [US/US]; 2145 Hamilton Avenue, San Jose, California 95125 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GROSSFELD, Elena** [—/US] (US). **WIDJOJO, Surjatini** [—/US] (US). **LOCKERT, Thorsten** [—/US] (US). **SEITZ, Greg** [—/US] (US). **BARRESE, James** [—/US] (US). **WIGGINTON, Randy** [—/US] (US). **KASTEN, Chris** [—/US] (US).
- (74) Agent: **MARAIS, Andre**; Blakely, Sokoloff, Taylor & Zafman LLP, 12400 Wilshire Boulevard, Seventh Floor, Los Angeles, CA 90025 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR MANAGING DATA TRANSACTION REQUESTS



(57) Abstract: A method and system is provided to process data transactions in a data store including a plurality of databases. The system may comprise a computer interface module to receive a data transaction request from at least one requesting computer and a data store interface module to interface the system to the plurality of databases. The system also includes a data access layer defining an abstraction layer to identify at least one database of the plurality of databases. The data transaction request may be an object orientated request and the plurality of databases may be horizontally distributed wherein the data access layer defines an object orientated abstraction layer between the computer interface module and the plurality of databases. In one embodiment a data dependent routing module is provided that generates a query to a database that is identified based on content of the data in the data transaction request.



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.